BREAST

C/F

presentation
- lump- hard, painless
- ulceration
- chestpain+hemoptysis
- fungation
- bone pain +pathological #
- pleural effusion,ascitis
- liver 2nd ry
- pain in lump

hematogenous spread
- Bone 70%
  - lumbar vertebrae
  - thoracic vertebrae
  - ribs
  - femur
  - skull
- liver
- lungs
  - pleural effusion
  - cannon ball 2ndry
- Brain
  - ICT
  - coning
- adrenals & ovaries

lymphatic spread
- Peau d' orange
- oedema arm
- Elephantiasis chirurgens
- brawny oedema arm
- lymphangiosarcoma
- involvement
  - 1st 2nd commonly
  - 3rd 4th rarely
  - 5th finally

spread deeper plane
- pectoralis major
- latissmus dorsi
- serratus anterior
- chest wall

cutaneous manifestation
- dimpling of skin
- retraction of nipple
- ulceration/discharge
- tethering to skin
- Peau d' orange

cancer

etiology
- western countries
- familial
- BRCA gene mut
- Li Fraumien syn
- early menarche
- late menopause
- nulliparous
- obese
- cowden syndrome

Risk factors
- early menarche
- late menopause
- nulliparity
- family history
- BRCA1/BRCA2 mut
- obesity & alcohol
- gynecomastia
- ca in opp. breast

Pathology
- Lactiferous duct
- Lobule
- In situ
  - LCIS
  - DCIS

DCIS

INTRO
- 5-20% common
- solid
- comedo+necrosis
- cribriform
- papillary
- micropapillary

TYPES
- scirrhous
- medullary
- inflammatory
- colloid
- other DCIS
  - tubular
  - papillary
  - Subtopic
  - cribriform
- atrophic schirrous ca
  - elderly,curable
  - FNAC
- LCIS
  - menopausal
  - not detected by mammography
  - incidental path. entity
  - multifocal+B/L
  - premalignant
  - 50% in opp breast
  - paget dis of nipple